



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
22.12.2004 Bulletin 2004/52

(51) Int Cl.7: **G11B 27/034**, G11B 20/10,
G11B 20/12, G11B 27/32,
G11B 27/30, G06F 3/06

(43) Date of publication A2:
14.04.2004 Bulletin 2004/16

(21) Application number: **03256278.7**

(22) Date of filing: **04.10.2003**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR
Designated Extension States:
AL LT LV MK

(72) Inventor: **Kwon, Young-sig**
Suwon-si Gyeonggi-do (KR)

(74) Representative: **Robinson, Ian Michael et al**
Appleyard Lees,
15 Clare Road
Halifax HX1 2HY (GB)

(30) Priority: **07.10.2002 KR 2002060967**

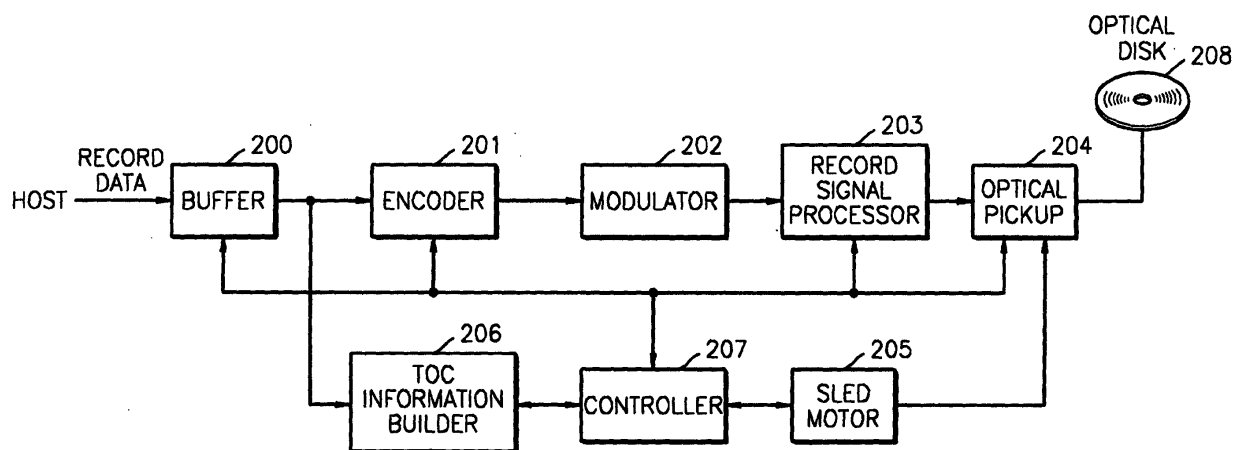
(71) Applicant: **SAMSUNG ELECTRONICS CO. LTD.**
Suwon-city, Kyungki-do (KR)

(54) **Recording method and recording apparatus using same**

(57) A method of recording record signals sequentially transmitted from a host on an optical recording medium (208). The method includes receiving record data sequentially transmitted from the host and storing the received record data in a buffer (200) if a predetermined environment for a data recording apparatus which records data on an optical recording medium (208) to record the received data is set, building information on

the optical recording medium (208) using record data to be recorded in a lead-in region of the optical recording medium (208) among the record data stored in the buffer (200), and signal-processing the record data stored in the buffer (200) and sequentially recording the signal-processed data on the lead-in region, a program region, and a lead-out region of the optical recording medium (208).

FIG. 2





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 25 6278

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 325 352 A (MATSUMOTO SEIJI) 28 June 1994 (1994-06-28) * abstract * * column 2, line 18 - line 65 * * column 3, line 6 - line 31 * * column 5, line 41 - column 6, line 45 * * column 7, line 23 - line 47 * * column 8, line 48 - column 10, line 27 * -----	1-19	G11B27/034 G11B20/10 G11B20/12 G11B27/32 G11B27/30 G06F3/06
X	JOHN, NIC: "CloneCD Guide - Page 1" SITEPALACE, [Online] 31 August 2002 (2002-08-31), XP002301701 site Retrieved from the Internet: URL:www.sitepalace.com/johngr> [retrieved on 2004-10-20] * the whole document * -----	1-19	
A	ROBERT BRUCE THOMPSON AND BARBARA FRITCHMAN THOMPSON: "Coaster-Free Burning with IDE CD Writers: Part 3" WINDOWS O'REILLY, [Online] 30 October 2000 (2000-10-30), XP002301702 site Retrieved from the Internet: URL:www.windowsdevcenter.com/pub/a/oreilly /windows/news/pchardnut3_1000.html> [retrieved on 2004-10-20] * the whole document * -----	1-19	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G11B G06F
A	PATENT ABSTRACTS OF JAPAN vol. 0163, no. 68 (P-1398), 7 August 1992 (1992-08-07) & JP 4 114384 A (MATSUSHITA ELECTRIC IND CO LTD), 15 April 1992 (1992-04-15) * abstract * -----	4-7, 10-19	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 October 2004	Examiner Valencia, E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 25 6278

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-10-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5325352	A	28-06-1994	JP 3269097 B2	25-03-2002
			JP 5109194 A	30-04-1993

JP 4114384	A	15-04-1992	JP 2808864 B2	08-10-1998

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82